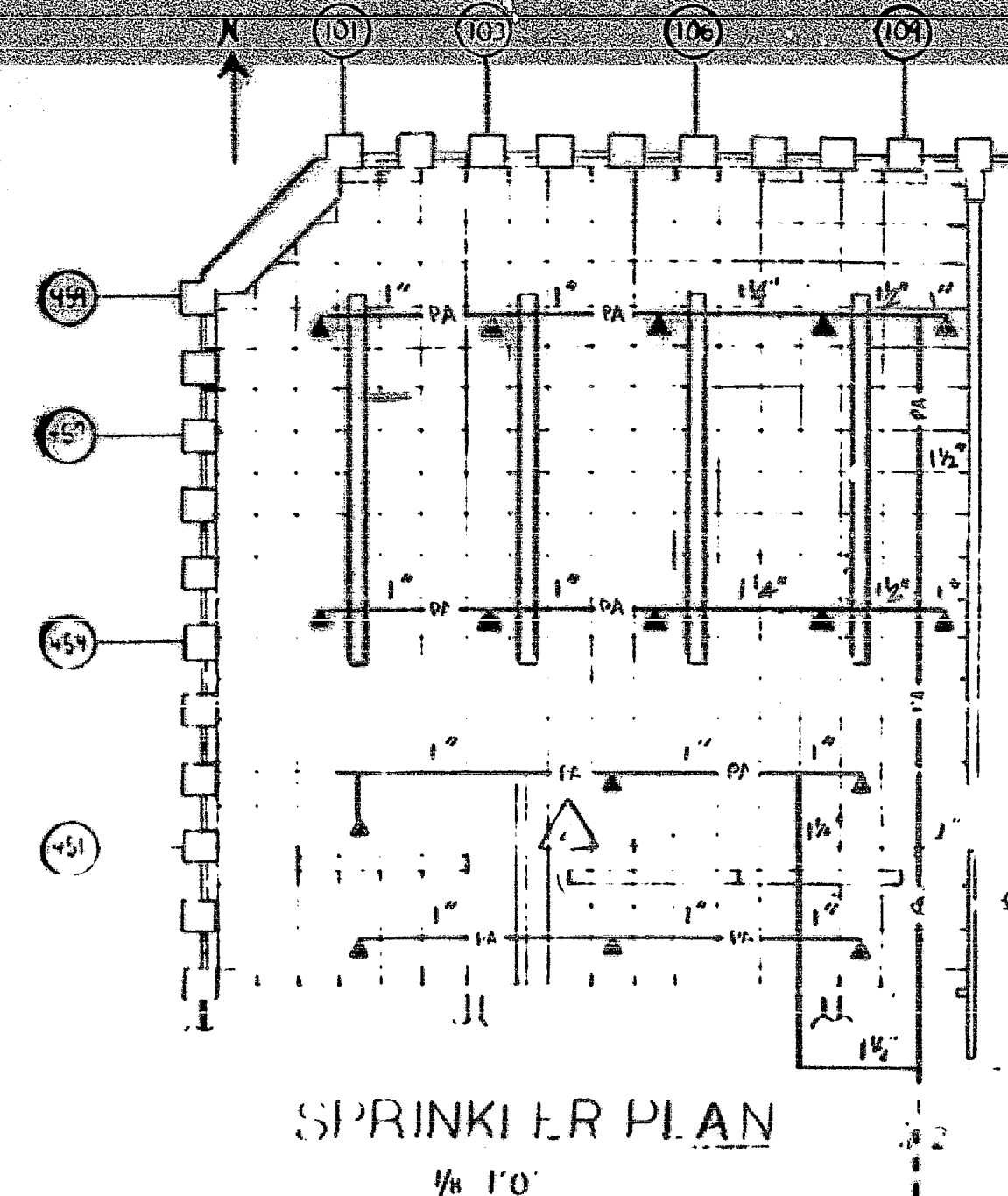
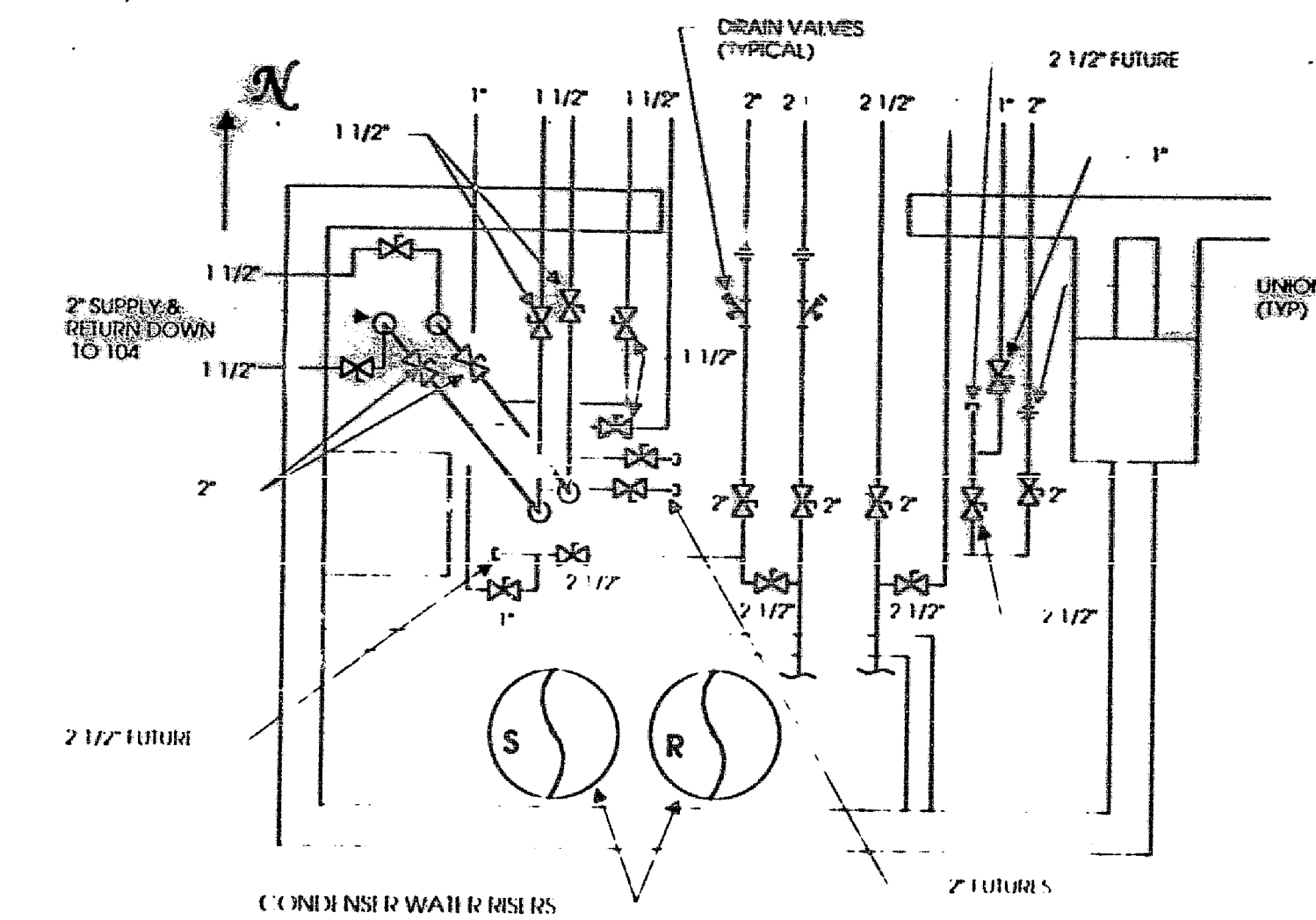


MECHANICAL PLAN  
1/8" = 1'-0"

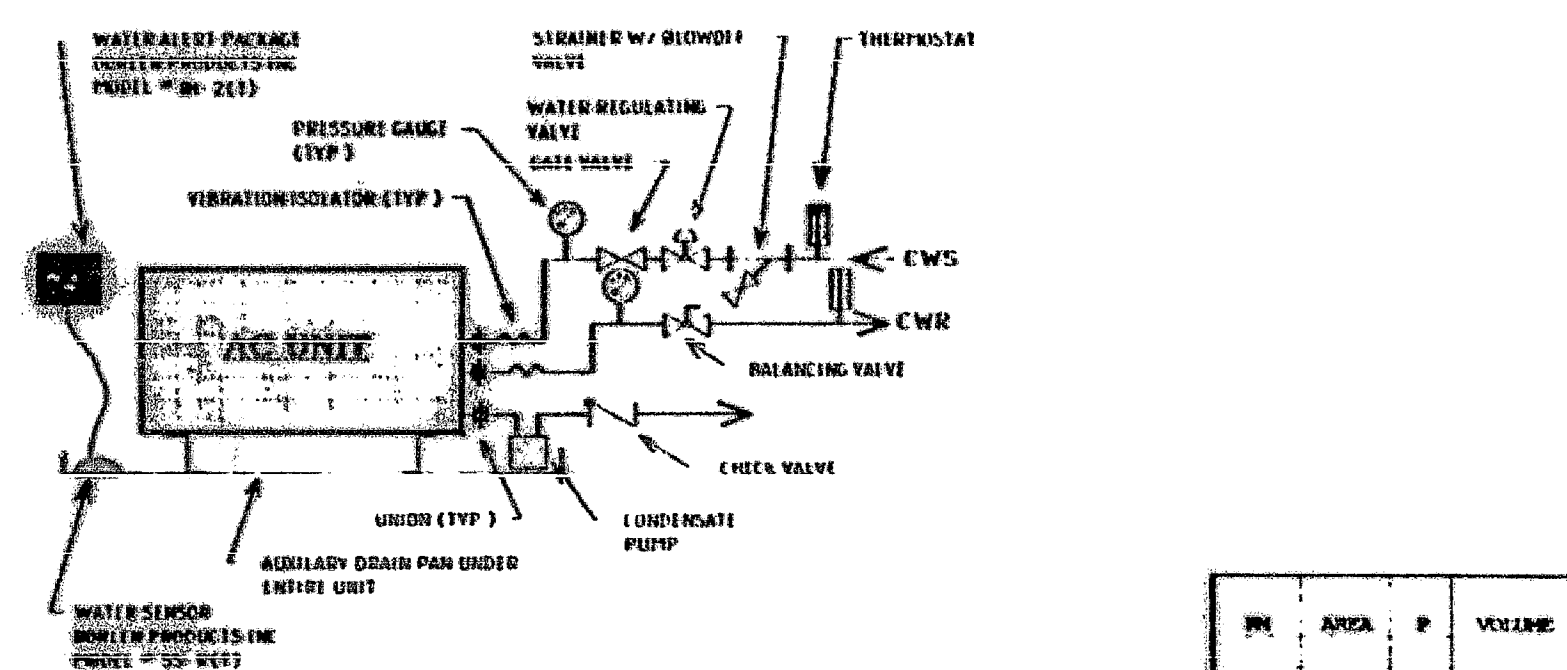


SPRINKLER PLAN  
1/8" = 1'-0"



COND. WATER CLOSET 105th FLOOR \*  
SCALE 1/2" = 1'-0"

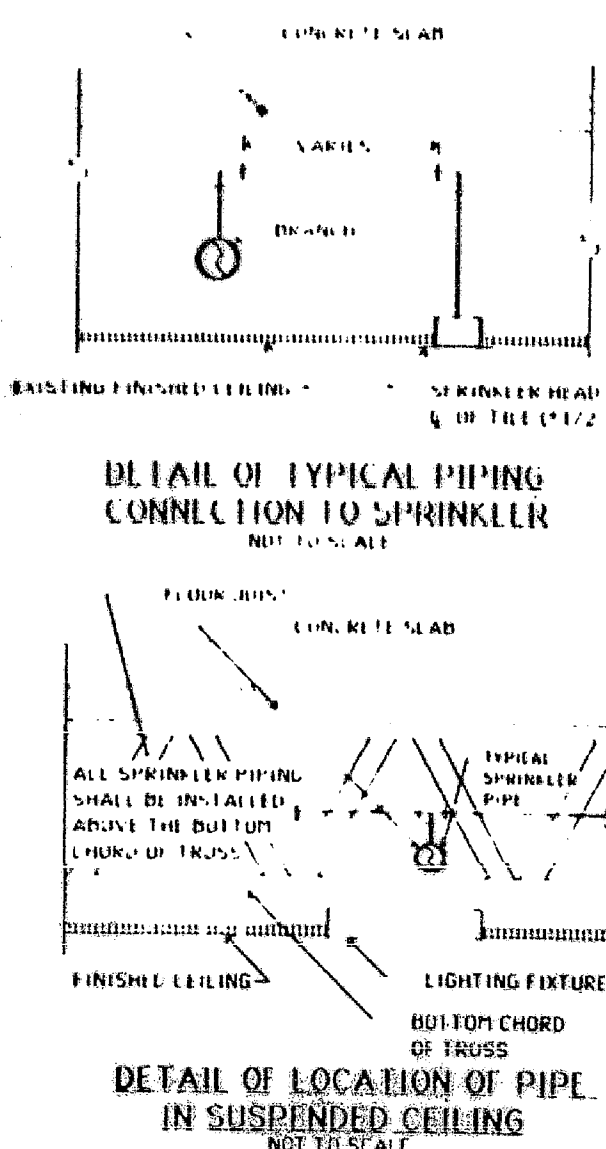
- LEGEND**
- NEW DUCTWORK
  - NEW DUCTWORK WITH ACOUSTICAL LINING
  - - - EXISTING DUCTWORK TO REMAIN
  - ||||| EXISTING DUCTWORK TO BE REMOVED
  - ☒ NEW SUPPLY AIR DIFFUSER
  - ☑ NEW RETURN AIR GRILLE
  - ||||| EXISTING SINGLE POUCH TO BE REMOVED
  - EXISTING FULL CAPACITY INDUCTION UNIT
  - ▣ EXISTING FULL CAPACITY INDUCTION UNIT TO BE REDUCED TO 1/2 CAPACITY
  - SD SPLITTER DAMPER
  - VD VOLUME DAMPER
  - (250) CFM
  - ⊕ THERMOSTAT
  - ACWS — CONDENSER WATER SUPPLY PIPING
  - ACWR — CONDENSER WATER RETURN PIPING
  - D — CONDENSATE DRAIN PIPING
  - PA — NEW PRE-ACTION SPRINKLER PIPING
  - - - EXISTING PRE-ACTION PIPING TO REMAIN
  - ▲ NEW PRE-ACTION SPRINKLER HEAD



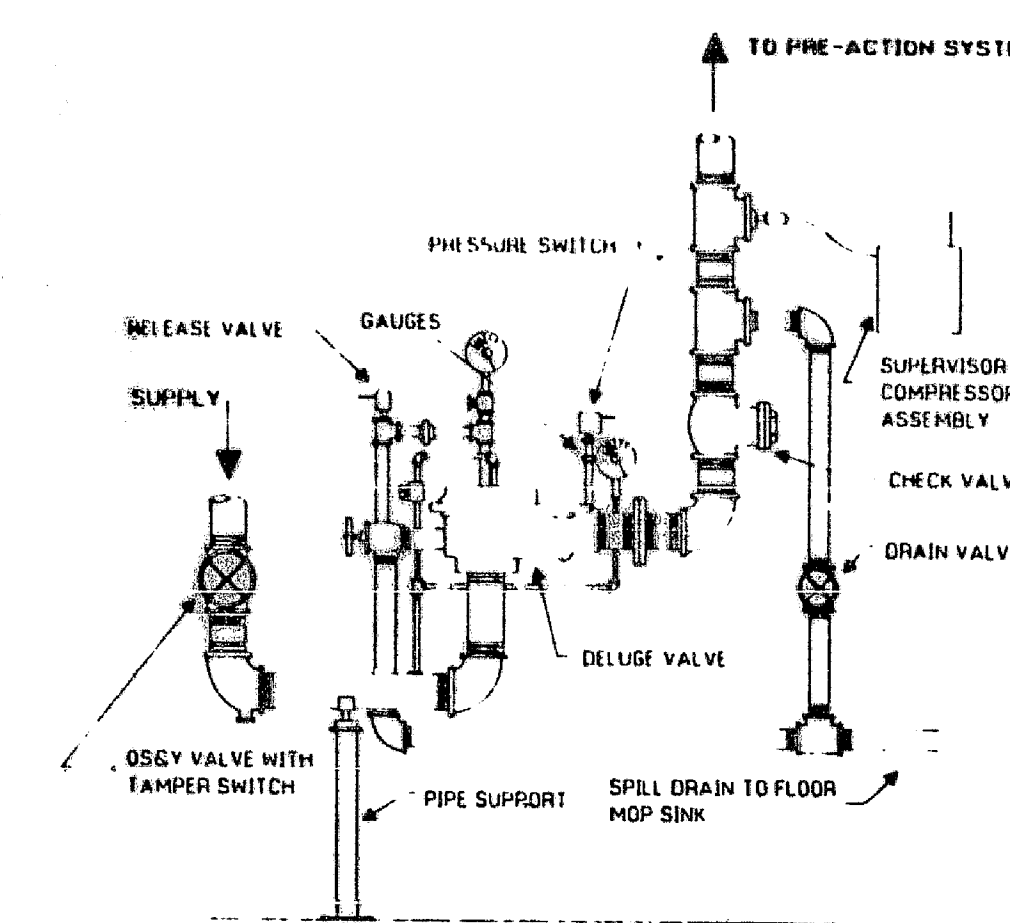
AC UNIT PIPING SCHEMATIC  
NOT TO SCALE

VENTILATION INDEX

RM	AREA	P	VOLUME	VENT. TMO.	REQ. SUP. CFM	REQ. RET. CFM	REQ. SUP. CFM/SGFT	REQ. RET. CFM/SGFT	ACT. SUP. CFM/SGFT	ACT. RET. CFM/SGFT
1	1290	42	15480	675	1161	1161	0.9	0.9	0.9	0.9
2	150	1	1800	3300	60	60	0.4	0.4	0.6	0.6

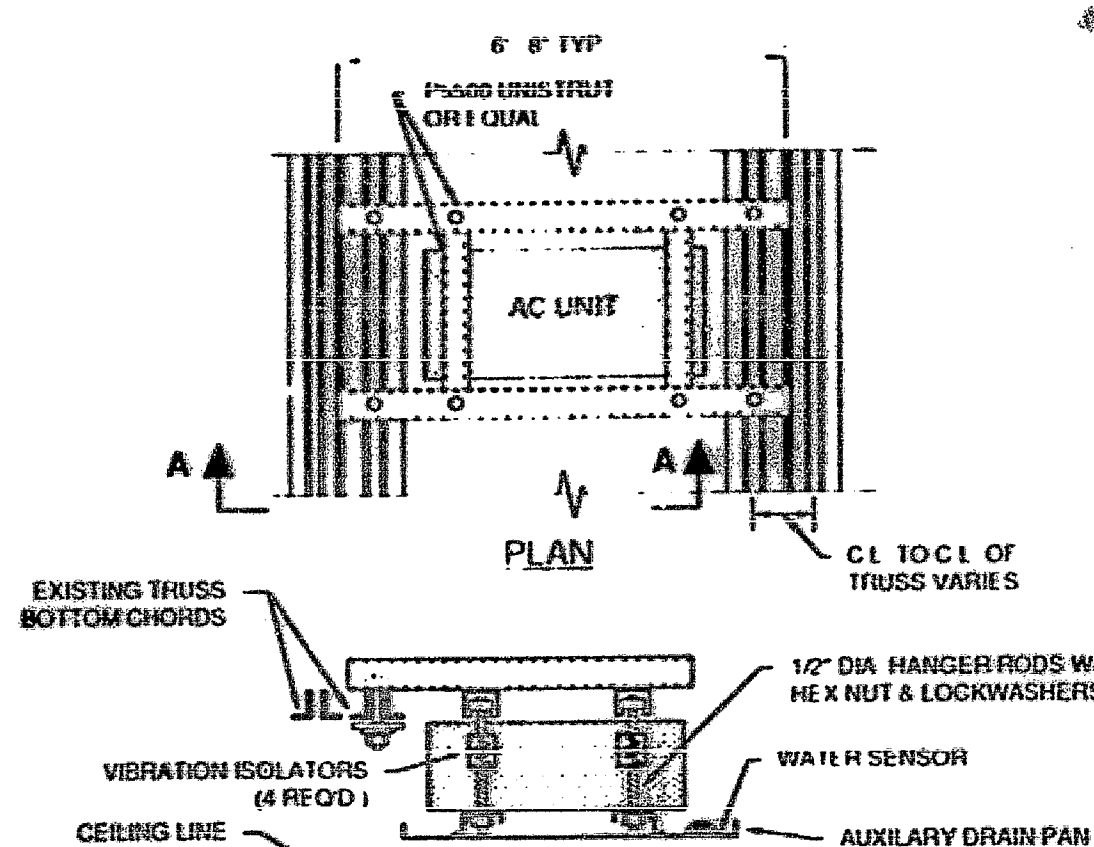


DETAIL OF TYPICAL PIPING CONNECTION TO SPRINKLER  
NOT TO SCALE

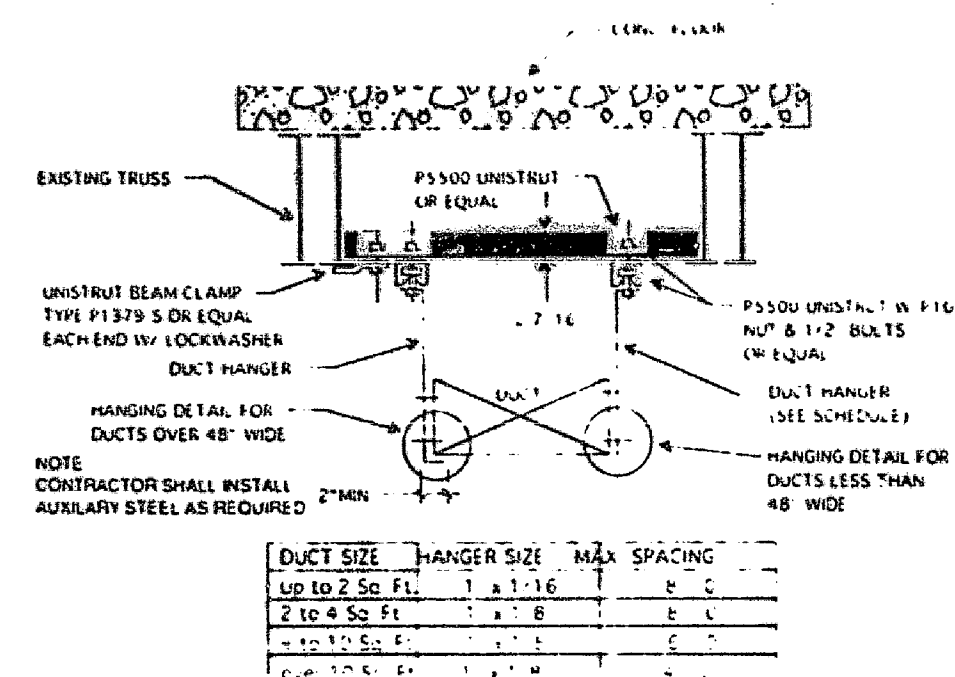


PRE-ACTION VALVE ASSEMBLY DETAIL \*  
NO SCALE

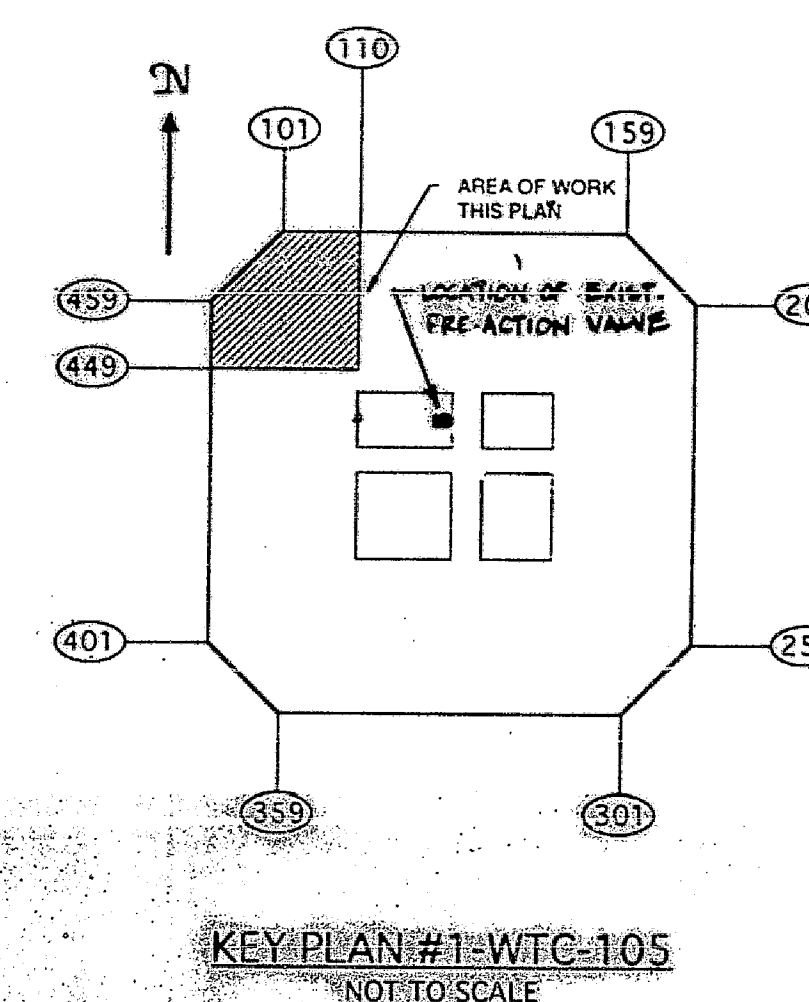
\* PRE-ACTION VALVE ASSEMBLY IS EXISTING DETAIL IS SHOWN FOR INFORMATION PURPOSES ONLY. (NO WORK REQ'D)



AC UNIT HANGING DETAIL  
NO SCALE



DUCT HANGING DETAIL AND SCHEDULE OF SUPPORTS  
NO SCALE



KEY PLAN #1-WTC-105  
NOT TO SCALE

SIGNED  
ILYA ASANOVICH/NTX INTERIORS  
GENERAL CONTRACTOR  
CERTIFIED "AS BUILT" DRAWING

2	CERTIFIED AS-BUILT, RESUBMIT FOR RECORD	4/26/94
1	REVISED AS PER PORT AUTHORITY COMMENTS	11-8-93
REV. NO.	DESCRIPTION	DATE
Cantor Fitzgerald Securities One World Trade Center Floor 105 New York, NY 10048		
TAA 941154		
MECHANICAL & SPRINKLER PLAN & DETAILS		
John C. Westrick & Associates CONSULTING ENGINEERS 2110 Maple Avenue South Plainfield, NJ 07080 (908) 561-4170 Fax (908) 561-9399		
SCALE: AS SHOWN	DWN BY: BB	CHK'D BY: JCW
DATE: 9/27/94	JOB NO. 941154	M-SP-2